MODEL DH3030HGB

OPERATING INSTRUCTIONS
AND PARTS MANUAL

Read instructions carefully before attempting to assemble, install, operate or service this pressure washer. Failure to comply with instructions could result in personal injury and/or property damage!

SPECIFICATIONS

- Pump Volume At Pump Head: 3.0 GPM/180 GPH
- Pump Pressure At Pump Head: 3000 PSI
- Burner Type: Fuel Oil Fired, 249,000 BTU/Hr.
- Burner Fuel Pressure: 140 PSI
- Machine Power: 9.0 HP Gasoline Engine, Manual Start
- Machine Weight: 385 Lbs.
- Shipping Weight: 415 Lbs.
- Burner Exhaust Vent: 8"
- Machine Dimensions: Length = 47", Width = 31", Height = 45"

Output specifications are based on engine power curves at 100 meters above sea level and 25^{0} C ambient temperature in accordance with SAE J1349.

SERIAL NUMBER:	**SHARK PRESSURE WASHERS** **21 INVERNESS WAY EAST** **ENGLEWOOD, CO 80112** **1-800-771-1881**
DATE PURCHASED:	
FOR SALES AND SERVICE, PLEASE CONTACT:	

WARNING

Read and observe to prevent severe personal injury or property damage.

- Check hoses, fittings, wand, trigger gun and fuel connections daily for signs of wear, cracks and looseness, and replace as required.
- Keep all electrical components on machine dry.
- Do not point wand or trigger gun at yourself or at any person. Bodily injury may result from water under high pressure.
- Do not block or tie trigger gun in open position.
- Wear eye, ear, hand, foot, and skin protection at all times while operating pressure washer.
- Do not place hands or feet on non-insulated areas of the pressure washer when starting gasoline engine.
- Do not fill engine fuel tank while engine is running or hot. Let engine cool before refueling or spontaneous fire may result. Fuel spillage or vapors could ignite if engine is hot.
- Disconnect spark plug and battery prior to performing any maintenance.
- Avoid contact with non-insulated areas of pressure washer to prevent the possibility of severe burns.
- Do not allow machine to run unattended.
- Do not run machine indoors or in an enclosed area, as exhaust fumes may be hazardous to your health.
- Do not operate machine in areas where flammable vapors, (gasoline, solvents, etc.) may be present, as this machine may ignite the vapors.
- Do not store flammable liquids (gasoline, diesel fuel, solvents, etc.) near pressure washer or in non-ventilated areas.
- Use extreme caution when moving pressure washer over rough or uneven surfaces.
- For permanent installation consult local building codes for installation requirements. Licensed contractor may be required.
- Troubleshoot machine prior to using reset buttons or replacing blown fuses. See **Troubleshooting Guide**.
- Pressure washers produce a kickback. To prevent personal injuries due to falls use auxiliary safety equipment.
- When applying detergents follow the safety rules on the detergent label.
- Use detergent from a covered D.O.T. approved container.
- Cleaning area should be provided with adequate slopes and drainage. This will reduce the possibility of a fall due to slippery surface.
- Unauthorized machine modification or use of non-approved replacement parts may cause personal injury and/or property damage and will void the manufacturer warranty.
- This machine has been provided with Warning and Instruction decals for the safety of the operator. If these decals are removed or become damaged they should be replaced. Contact your dealer for replacement decals.

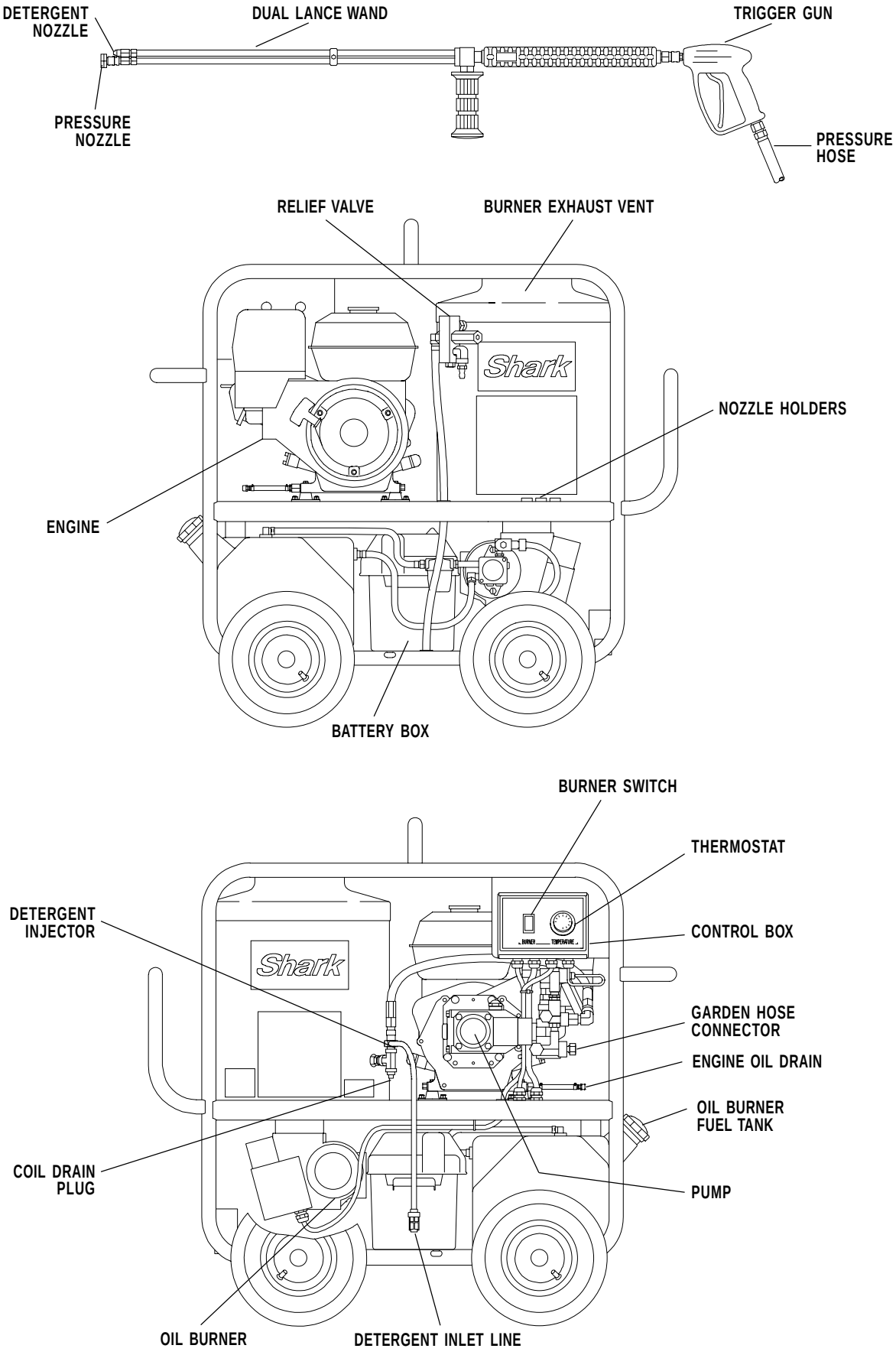

Figure 1 - Machine Component Layout

ASSEMBLY

Unpacking

Unpack carefully. Wear safety glasses or goggles while unpacking, assembling, or operating pressure washer. If there are missing components or hidden damage, immediately contact carrier concerning discrepancies.

1. Cut strapping band from pressure washer and pallet.
2. Remove pressure washer from pallet.

Parts Included

- Pressure Washer
- Pressure Hose w/Trigger Gun
- Dual Lance Wand
- Pressure Nozzle (3 ea.)
- Battery Terminal (2 ea.)
- Operating Instructions and Parts Manual
- Gasoline Engine Manual
- Oil Burner Manual

Tools Required

- 1/2" Open End Wrench
- Flat Blade Screwdriver

Pressure Hose, Trigger Gun and Wand

1. Install the pressure hose on the pressure washer as shown in **Figure 2.**

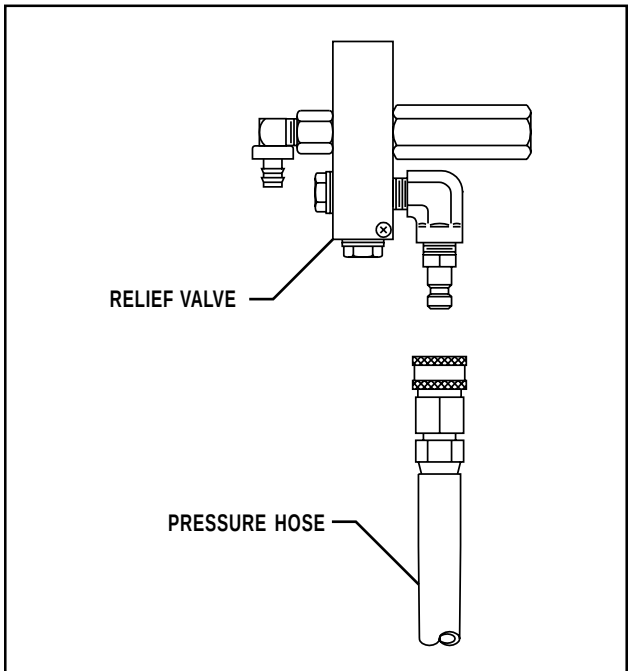

Figure 2 - Pressure Hose Installation

2. Assemble wand components as shown in **Figure 3.**

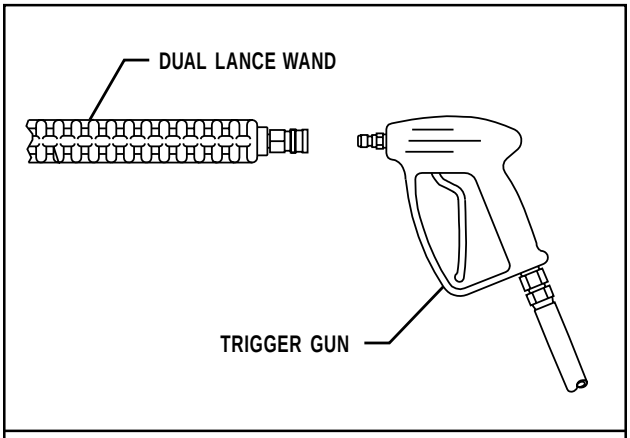

Figure 3 - Trigger Gun/Dual Lance Wand

3. Make sure all plumbing connections are tight.

Battery

WARNING: Wear eye, hand and skin protection when handling or connecting battery.

WARNING: Batteries generate explosive gases during normal battery operation. Do not expose the battery to flame or sparks as these gases may ignite.

WARNING: Battery fluid is highly acidic. If battery fluid contacts skin or clothing, wash immediately with soap and water. If battery fluid enters eye, immediately flood eye with running cold water for at least 15 minutes and get immediate medical attention.

1. Place battery in battery box (battery not included). Use a standard 12 volt automotive battery. Select a battery similar to the one in **Figure 4** for proper fit and installation.

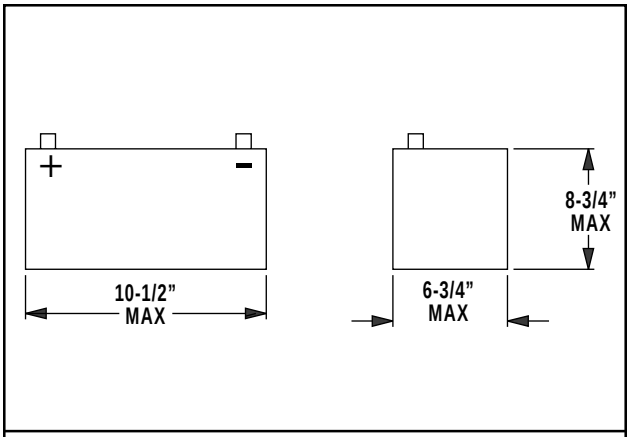

Figure 4 - Battery Dimensions

2. Install the provided battery terminals as shown in **Figure 5.**
3. To reduce the possibility of sparking attach the wires to the battery in the following order. Refer to **Figure 5**. First attach the red wire from the voltage regulator and the red wire from the control box to the positive "+" terminal of battery. Next, attach the black wire from the control box and the black wire from the voltage regulator to the negative "-" terminal of the battery. To disconnect the battery remove the wires in the opposite order as installed. Install battery box cover and fasten in place.

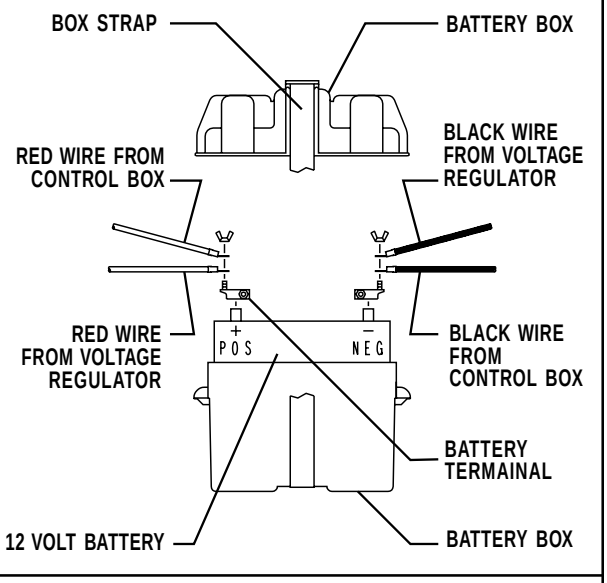

Figure 5 - Battery Connections

INSTALLATION

Getting Started

IMPORTANT: Proper initial installation of equipment will assure more satisfactory performance, longer service life, and lower maintenance cost.

IMPORTANT: The use of a backflow preventer on the water supply hose is recommended and may be required by local code.

The pressure washer should be run on a level surface and in a protected area where it is not readily influenced by outside forces such as strong winds, freezing temperatures, rain, etc. The pressure washer should be located to assure easy access for filling of fluids, adjustments and maintenance. Normal precautions should be taken by the operator to prevent moisture from reaching the pressure washer. It is recommended that a partition be made between the wash area and the pressure washer to prevent direct spray from the wand from coming in contact with the pressure washer. Moisture reaching the equipment will reduce the pressure washer's service life. All installations must comply with the local codes covering such installations.

Venting

DANGER: Do not run machine indoors or in an enclosed area, as exhaust fumes may be hazardous to your health.

DANGER: Do not operate machine in areas where flammable vapors (gasoline, solvents, etc.) may be present, as this machine may ignite the vapors.

CAUTION: All venting must be in accordance with applicable federal and state laws, and local ordinances. Consult local heating contractors.

If the pressure washer is to be used in an enclosed area, a flue must be installed to vent burner and engine exhaust to the outside atmosphere. Be sure the flue is the same size as the burner exhaust vent on the pressure washer. See **Figure 1** for location. Poor draft will cause the pressure washer to soot and not operate properly. When selecting the location for installation, beware of poorly ventilated locations or areas where exhaust fans may cause an insufficient supply of oxygen. Proper combustion can only be obtained when there is a sufficient supply of oxygen available for the amount of fuel being burned. If it is necessary to install the machine in a poorly ventilated area, outside fresh air may have to be piped to the burner and a fan installed to bring sufficient air into the machine. Locate the pressure washer so that the flue will be as straight as possible and protrude through the roof at a proper height and location to provide adequate draft. This oil fired pressure washer must have a draft regulator installed in the flue (available from most heating contractors). A draft regulator will permit proper upward flow of exhaust flue gases.

In addition, the pressure washer should never be operated in an enclosed area where high ambient temperatures exist. High ambient temperatures (above 100^{o} F) can cause engine oil failure and will greatly reduce the engine's performance.

Gasoline Engine

This gasoline engine is preset for operation at altitudes below 3000 feet above sea level. If operated at higher altitudes, it may be necessary to install a high altitude main jet in the carburetor. Contact an authorized engine sales and service center for details.

Oil Burner

Burner Air Adjustment: The oil burner on this machine is preset for operation at altitudes below 3000 feet. If operated at higher altitudes, it may be necessary to adjust the air shutter and air band setting. Adjust the air shutter for a #1 or #2 smoke spot on the Bacharach scale.

To adjust, start machine and turn burner ON (refer to **Operation** for details). Loosen two locking screws found in the air shutter openings (refer to **Figure 6**) and close air shutter until black smoke appears from burner exhaust vent. Note air shutter position. Next, slowly open the air shutter until white smoke just starts to appear. Turn air shutter halfway back to the black smoke position previously noted. Tighten locking screws.

If the desired position cannot be obtained using only the air shutter, lock the air shutter in as close a position as can be obtained, then repeat the above procedure on the air band setting.

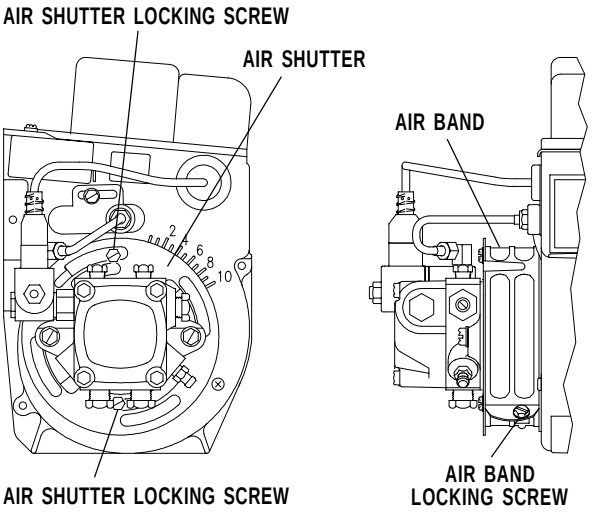

Figure 6 - Burner Adjustment

CAUTION: If white smoke appears from burner exhaust vent during start-up or operation, discontinue use and readjust air bands.

NOTE: If a flue is installed, have a professional serviceman adjust your burner for a #1 or #2 smoke spot on the Bacharach scale.

OPERATION

Before Starting

1. Read all manuals provided with this pressure washer. Become familiar with location and function of all operating and safety controls.

WARNING: Check hoses, fittings, wand, trigger gun and fuel connections daily for signs of wear, cracks and looseness, and replace as required.

2. Connect water supply hose to the garden hose connector located on pump. The water faucet and supply hose must be capable of providing a minimum of 3.0 gallons per minute (GPM).
3. Fill oil burner fuel tank. Use kerosene, #1 grade home heating oil, #1 or #2 diesel fuel. **DO NOT USE GASOLINE, CRANKCASE OIL DRAININGS, OR WASTE OIL.**

WARNING: Do not fill engine fuel tank while engine is running or hot. Let engine cool before refueling or spontaneous fire may result. Fuel spillage or vapors could ignite if engine is hot.

4. Fill the engine fuel tank. Do not overfill, fill to the bottom of filler neck only. Use lead free gasoline minimum 86 octane, or lead free gasoline containing no more than 15% MTBE. **DO NOT** use gasoline containing more than 5% methanol or more than 10% ethanol. Refer to the provided **gasoline engine manual** for additional details.
5. Check pump and engine oil levels.
6. If detergents are to be used, only use detergents intended for pressure washers. Follow instructions on the detergent container.

IMPORTANT: Before installing pressure nozzle on initial start-up, turn on the water supply and allow water to run from the end of the wand until clear to prevent the nozzle from clogging.

IMPORTANT: If the pressure washer has not been used for an extended period of time, remove the pressure nozzle from the end of the wand and turn on water supply. Allow water to run from the end of the wand until clear.

7. Install the proper pressure nozzle for your cleaning needs on end of wand, refer to **Figure 7.**

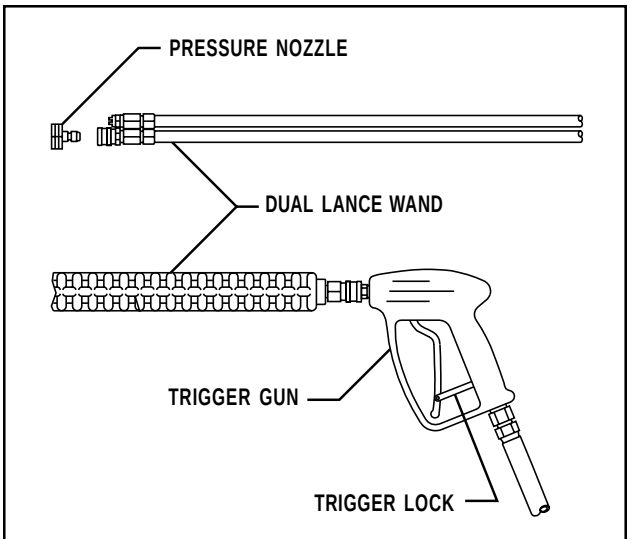

Figure 7 - Nozzle Installation/Trigger Lock

IMPORTANT: The trigger gun provided with this pressure washer is equipped with a manual trigger lock to prevent accidental operation of the trigger gun, refer to Figure 7. The trigger lock should be used whenever the trigger gun is not in use.

To Start

DANGER: Do not point wand or trigger gun at yourself or at any person. Bodily injury may result from water under high pressure.

WARNING: Wear eye, ear, hand, foot and skin protection at all times while operating pressure washer.

IMPORTANT: The water must be turned on before starting. Running the pump dry will cause damage and void warranty.

IMPORTANT: Do not allow the machine to run with trigger of the trigger gun released for more than 10 minutes at any one time or damage to pump may occur.

1. Turn ON water supply.
2. Hold wand firmly, release trigger of trigger gun.
3. Turn engine ON/OFF switch to ON position.
4. Turn fuel shut-off valve to ON position (if so equipped). Move choke lever to FULL CHOKE position, (choke may not be needed on warm engine). Move throttle lever to HALF THROTTLE position.
5. Pull the rope starter slowly until resistance is felt, then pull briskly. Do not allow the rope starter to snap back against the engine. Return it gently to prevent damage to the starter.
6. When the engine starts, move choke lever until engine runs smoothly. Move throttle lever to FULL THROTTLE position. When engine warms, move choke lever to NO CHOKE position.

IMPORTANT: To allow for proper battery charging the throttle control must be kept in the full throttle position during operation.

NOTE: If engine fails to start, refer to Troubleshooting Guide in this manual.

7. Squeeze trigger of trigger gun and allow air to purge from system.
8. If HOT water is desired, adjust the thermostat to the proper temperature and turn burner switch ON. The burner will light immediately with a small puff of smoke. You may need to initially adjust your burner for peak performance. See **Oil Burner** section under Installation. If smoke continues, contact **Customer Service at 1-800-771-1881.** When the trigger of the trigger gun is released or when the thermostat temperature setting is reached, the burner will automatically turn off.

To Clean

DANGER: Do not place hands or fingers in front of high pressure spray. Bodily injury may result.

1. Insert detergent inlet line into container of mixed detergent. Squeeze the trigger of the trigger gun. Open detergent control handle on the dual lance wand, refer to **Figure 8.** The output pressure is automatically reduced for detergent application. Allow detergent to reach end of wand before proceeding to step 2.

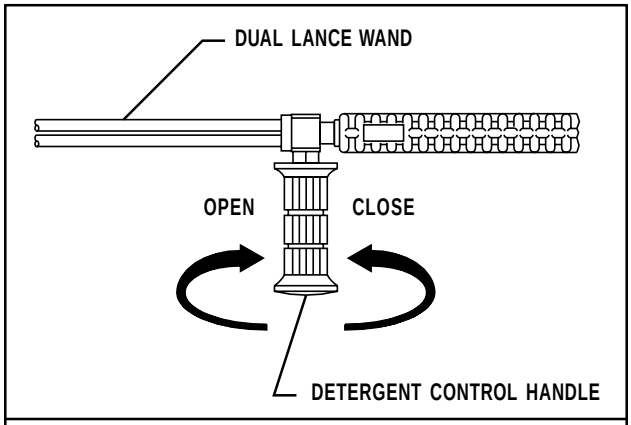

Figure 8 - Dual Lance Wand Operation

2. Wash from the bottom to the top, using side to side motions. This washes away heavy dirt and allows the detergent to soak as you work toward the top.
3. Do not wash at a 90^{o} angle to work (straight at it). This will allow water to splash back at you and reduces your cleaning power. Wash at a 30^{o} to 60^{o} angle to the work. This will allow the water to splash away from you and the water will wash the dirt away faster and easier.
4. Use the full width of the spray pattern to wash in a wide path. Overlap spray paths for complete coverage. Wash from side to side, using slow, steady motions.
5. The nozzle should be 12" to 24" from work, closer for tough areas. Be careful on painted or delicate surfaces, the pressure may damage surface if nozzle is too close.
6. Small parts should be washed in a basket so the pressure does not push them away. Larger, lightweight parts should be clamped down so the pressure does not push them away.
7. Close the detergent control handle on the dual lance wand to permit high pressure rinse, refer to **Figure 8**. Rinse from top to bottom to prevent detergent from dripping onto rinsed area.

To Stop

1. If detergents were used, draw clear water through the detergent inlet line to purge detergent. Failure to do so may clog detergent injector valve.
2. If burner was used, turn OFF burner switch and allow pump to run cold water through coil for several minutes.
3. Move throttle lever to idle position.
4 Turn engine ON/OFF switch to the OFF position.
5. Close fuel shut-off valve.
6. Turn water supply OFF.
7. Squeeze trigger of trigger gun to relieve system pressure.

STORAGE

DANGER: Do not store flammable liquids (gasoline, diesel fuel, solvents, etc.) near pressure washer, or in non-ventilated areas.

Protect from freezing by storing in a heated area, or by flushing the system with antifreeze (use an automotive engine antifreeze or windshield washer solvent to antifreeze). To flush the system with antifreeze, the following steps are to be followed:

1. Open detergent control handle on dual lance wand, refer to **Figure 8.**
2. Connect the water supply hose to the garden hose connector located on the pump. Turn on water supply.
3. Place the detergent inlet line into a container of antifreeze.
4. Hold wand firmly, release trigger of trigger gun.
5. Start engine. Place throttle lever in FULL THROTTLE position.
6. Squeeze trigger of trigger gun and allow water to flow from the end of the wand. Watch for antifreeze to be drawn through the detergent inlet line. Allow the antifreeze to be drawn into the system for 5 to 10 seconds.
7. Release the trigger of the trigger gun and stop engine.
8. Turn off water supply and disconnect water supply hose from the pump.
9. Attach a short length of hose (approximately 3 feet long) to the garden hose connector located on the pump. Install a funnel in the other end of the hose as shown in **Figure 9.**

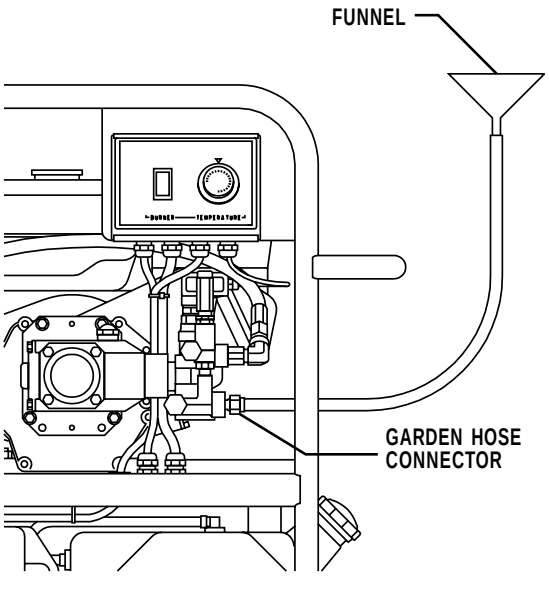

Figure 9 - Winterizing

10. Hold wand firmly, release the trigger of the trigger gun.
11. Start engine. Place throttle lever in the idle position.
12. Squeeze trigger on trigger gun.
13. Slowly pour antifreeze into the funnel. Continue to add antifreeze until antifreeze flows from the end of the wand.
14. Squeeze and release the trigger of the trigger gun several times to antifreeze the unloader system.
15. Release the trigger of the trigger gun. Stop engine.
16. Squeeze the trigger of the trigger gun to relieve system pressure.

For added protection, after antifreezing, disconnect the pressure hose from the machine and remove the coil drain plug (refer to **Figure 1** for location.) After coil has drained, replace pressure hose and coil drain plug. If the pressure washer is not to be used for an extended length of time, it is recommended that the system be flushed with antifreeze for rust protection. Refer to the **Gasoline Engine Manual** for engine storage information.

MAINTENANCE

WARNING: Unauthorized machine modification or use of non-approved replacement parts may cause personal injury and/or property damage and will void the manufacturer warranty.

Pump

Lubrication: To lubricate pump, use 30W non-detergent oil for pump crankcase. Crankcase must be filled to red dot on oil gauge found on the side of the pump, refer to **Figure 10.** During the break-in-period, make sure the oil is changed after the first 40 hours of operation. After that, replace oil every 3 months or 500 hours of operation, whichever comes first.

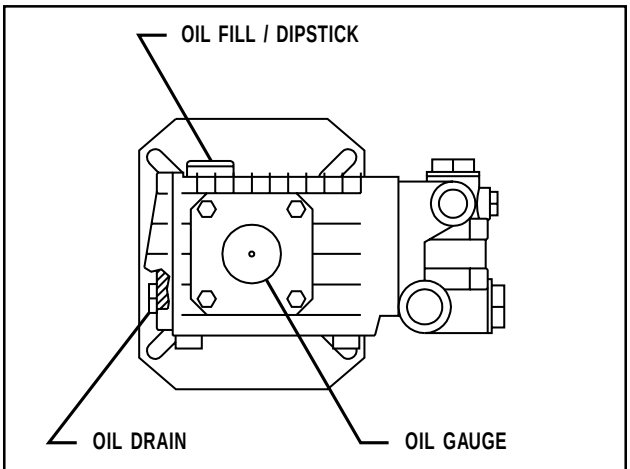

Figure 10 - Pump Lubrication

Proper Pump Care:

- **DO NOT** pump acids.
- **DO NOT** allow pump to run dry.
- Winterize if storing in freezing temperatures, refer to **Storage** for details.
- Use a water softener on the water system if known to be high in mineral content.
- Use only high quality detergents and follow manufacturer's mix recommendations.
- Flush the system with clear water immediately after using detergent solutions.
- Clean filter screen on detergent inlet line periodically.
- Flush the pressure washer system with antifreeze if storing for an extended period of time, refer to **Storage** for details.

Gasoline Engine

Refer to the provided **gasoline engine manual** for recommended maintenance.

Oil Burner

Blower Motor: Inspect the motor brushes for wear every 250 hours of operation and replace when 1/8" to 1/4" brush material remains. **DO NOT** allow the brushes to wear out completely or motor damage will occur. Refer to **Figure 23**. The motor bearings are permanently lubricated and will not require any additional lubrication.

Relief Valve

WARNING: The relief valve on this pressure washer has been factory set and sealed and is a field nonadjustable part. Tampering with the factory setting may cause personal injury and/or property damage, and will void the manufacturer warranty. For replacement parts refer to Figure 20.

Unloader Valve

WARNING: The unloader valve on this pressure washer has been factory set and sealed and is a field nonadjustable part. Tampering with the factory setting may cause personal injury and/or property damage, and will void the manufacturer warranty. For replacement refer to Figure 15.

Burner Fuel Filter

Drain any water which has accumulated in fuel filter and clean or replace filter element as needed. Refer to **Figure 22.**

Heating Coil

Coil Descaling: In hard water areas, scale buildup within the heating coil will occur. Scale deposits will decrease the water temperature rise and may eventually clog the heating coil. Contact your local service center when descaling is needed.

Coil Desooting: Poor grades of fuel oil or inadequate combustion air will cause heavy soot buildup on the outside surface of the heating coil. These deposits will insulate the coil. This will restrict the air flow through the coil, further aggravating the soot buildup. Contact your local service center when desooting is needed.

Hour Meter

An optional hour meter (P/N 783865) is available for use on the Model DH3030HGB. This hour meter will monitor the total hours of operation of the pressure washer to signal when routine maintenance is required.

Battery

Refer to **battery manufacturer's literature** for recommended maintenance.

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
Gas engine will not run.	Out of gas.	Replenish supply. Use only recommended fuels. Refer to **Before Starting** under **Operation**.
	Fuel valve closed (if so equipped).	Open valve.
	Loose spark plug wire.	Reconnect.
	Choke or throttle set incorrectly.	Refer to **To Start** under **Operation**.
	Engine ON/OFF switch in OFF position.	Place engine ON/OFF switch in ON position.
	Low engine oil level.	Replenish supply. Engine will not start or run if oil is low (on engines equipped with low oil protection).
	Refer to provided gasoline engine manual for additional troubleshooting.	
Pressure washer runs but won't spray.	Trigger of trigger gun released.	Squeeze trigger.
	Water supply not turned on.	Open water supply valve.
	Clogged pressure nozzle.	Clean pressure nozzle opening.
Low spray pressure at nozzle.	Inadequate water supply.	Fully open faucet. Check for kinked or damaged hose. Use 5/8 inch minimum hose. Check for debris clogging inlet screen.
	Partially clogged or damaged pressure nozzle.	Clean or replace.
	Air being drawn through detergent inlet line.	Refill detergent container. Ensure that pick-up screen is fully immersed.
	Dual lance wand set for detergent application.	Set dual lance wand for rinse. Refer to **Step 7** under **To Clean**. Washer will not create high pressure when set for detergent application.
Uneven spray pattern.	Partially clogged or damaged pressure nozzle.	Clean or replace.
Pressure washer will not produce hot water.	Burner switch in OFF position.	Place switch in ON position.
	Inadequate fuel supply.	Refill fuel tank. Use only recommended fuels. Refer to **Before Starting** under **Operation**.
	Engine not running.	Engine must be running before burner will light.
	Inadequate water supply.	Fully open faucet. Check for kinked or damaged hose. Use 5/8 inch minimum hose. Check for debris clogging inlet screen.

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
Pressure washer will not produce hot water. *...continued*	Trigger of trigger gun released.	Squeeze trigger. Water must be spraying for burner to light.
	Thermostat is set too low.	Adjust thermostat to desired temperature.
	Blown fuse.	Replace. Fuse is located in Control Box. Refer to **Figure 17** for location.
	Engine is running too slow.	Move throttle lever to full throttle position.
	Battery charge is low.	Charge battery or replace if necessary.
Poor or no detergent flow.	Inadequate detergent supply.	Refill detergent container. Ensure that pick-up screen is fully immersed.
	Detergent screen or hose clogged.	Clean. Always start with a clean detergent container.
	Dual lance wand set for high pressure.	Set dual lance wand for detergent application. Refer to **Step 1** under **To Clean**.
	Clogged detergent injector check valve.	Clean check valve at detergent injector inlet.
Poor cleaning.	Improper detergent concentration or mixing.	Mix detergent per manufacturer's instructions. Ensure that powdered detergents are fully dissolved.
	Wrong detergent for the application.	Select appropriate detergent.
	Rinsing with hot water.	A final rinse with cold water will reduce water spotting.

IMPORTANT

If the pressure washer demonstrates other symptoms or the corrective actions listed do not correct the problem, contact the local authorized Shark Pressure Washer Service Center. The Shark Pressure Washer Service Center can be identified by contacting:

Customer Service Department
Shark Pressure Washers
21 Inverness Way East • Englewood, Colorado 80112
1-800-771-1881

When ordering from your dealer, please provide the following:

Model Number: DH3030HGB

Machine Serial Number: _____

Component Part Number: _____

Description: _____

FOR HELP OR ADDITIONAL INFORMATION, CONTACT:

Customer Service Department
Shark Pressure Washers
21 Inverness Way East
Englewood, CO 80112
1-800-771-1881

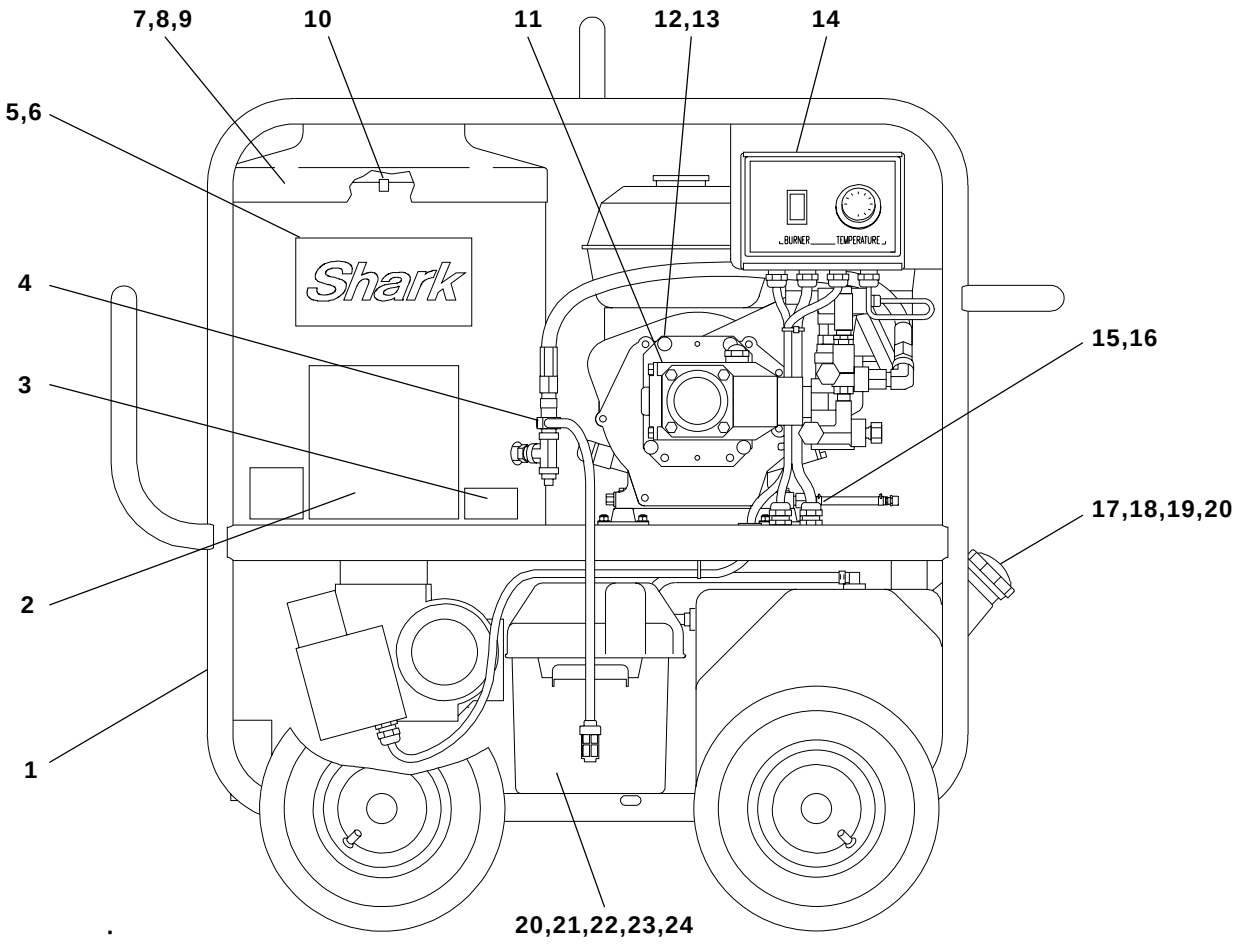

Figure 11 - Machine Assembly, Left Side View

Ref. No.	Part No.	Description	Qty.
1	375572	Chassis	1
2	646089	Decal Warnings	1
3	646352	Decal Shark Detergent	1
4	**Fig. 14**	Coil Inlet Assembly	1
5	829980	Shark Logo Plate	2
6	926598	Rivet	8
7	213044	Burner Exhaust Vent	1
8	268004	Insulation	1
9	860102	Retaining Ring	1
10	824115	Vent Clip	4
11	**Fig. 15**	Pump Assembly	1
12	■	Bolt 3/8" - 16 x 1-3/8"	4
13	■	Lock Washer 3/8"	4

Ref. No.	Part No.	Description	Qty.
14	**Fig. 17**	Control Box Assembly	1
15	826167	Strain Relief	2
16	703127	Strain Relief Nut	2
17	**Fig. 18**	Fuel Tank Assembly	1
18	834153	Decal Fuel Type	1
19	■	Bolt 1/4" - 20 x 1/2"	2
20	■	Flat Washer 1/4"	6
21	220119	Battery Box	1
22	890904	Battery Terminal	2
23	375292	Mounting Plate	1
24	■	Locknut 1/4" - 20	4

■ Standard hardware item available locally.

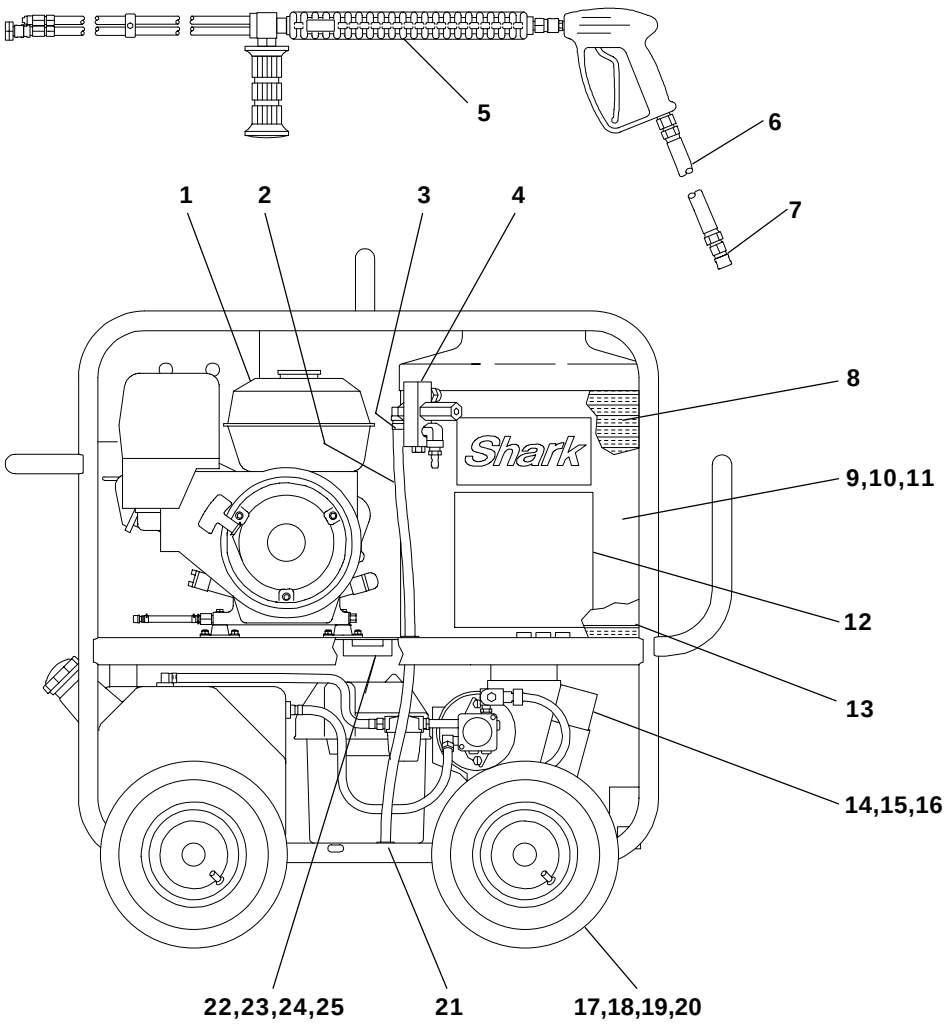

Figure 12 - Machine Assembly, Right Side View

Ref. No.	Part No.	Description	Qty.
1	**Fig. 19**	Engine/Oil Drain Assembly	1
2	961532	Tubing 3/8”	✻
3	823987	Hose Clamp	1
4	**Fig. 20**	Coil Outlet Assembly	1
5	**Fig. 21**	Trigger Gun/Dual Lance Wand	1
6	707226	Pressure Hose	1
7	826176	Quick Disconnect	1
8	268006	Insulation	1
9	375562	Coil Tank	1
10	■	Fender Washer 5/16”	4
11	■	Flange Nut 5/16” - 18	4
12	646047	Decal Troubleshooting	1
13	213191	Insulation	1
14	**Fig. 22**	Burner Assembly	1

Ref. No.	Part No.	Description	Qty.
15	■	Flat Washer 5/16”	3
16	799362	Crownlock Nut 5/16” - 18	3
17	817322	Hubcap	4
18	848616	Push Nut	4
19	■	Flat Washer 5/8”	8
20	983013	Wheel	4
21	815329	Snap Bushing	1
22	860232	Voltage Regulator	1
23	218189	Regulator Harness	1
24	■	Locknut 1/4” - 20	2
25	■	Flat Washer 1/4”	2

✻ Order amount needed in feet.

■ Standard hardware item available locally.

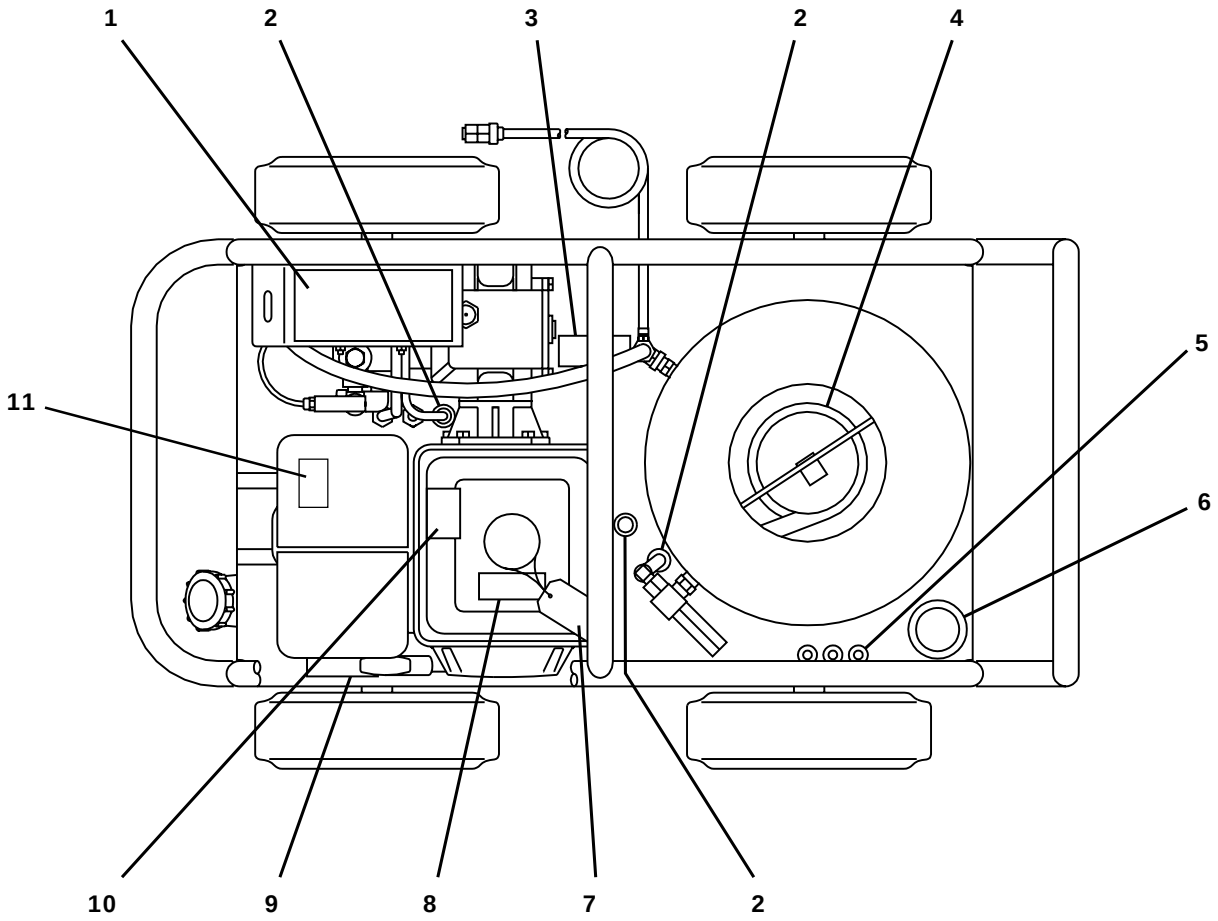

Figure 13 - Machine Assembly, Top View

Ref. No.	Part No.	Description	Qty.
1	646088	Decal Operating Instructions	1
2	815329	Snap Bushing	3
3	646351	Decal Winterize	1
4	226222	Coil	1
5	859815	Grommet (Nozzle Holder)	3
6	859806	Grommet	1

Ref. No.	Part No.	Description	Qty.
7	890783	Tag Gasoline Engine	1
8	444462	Decal Caution Gasoline	1
9	232025	Decal Important Battery	1
10	646026	Decal Carbon Monoxide	1
11	646115	Decal Hot Surface	1

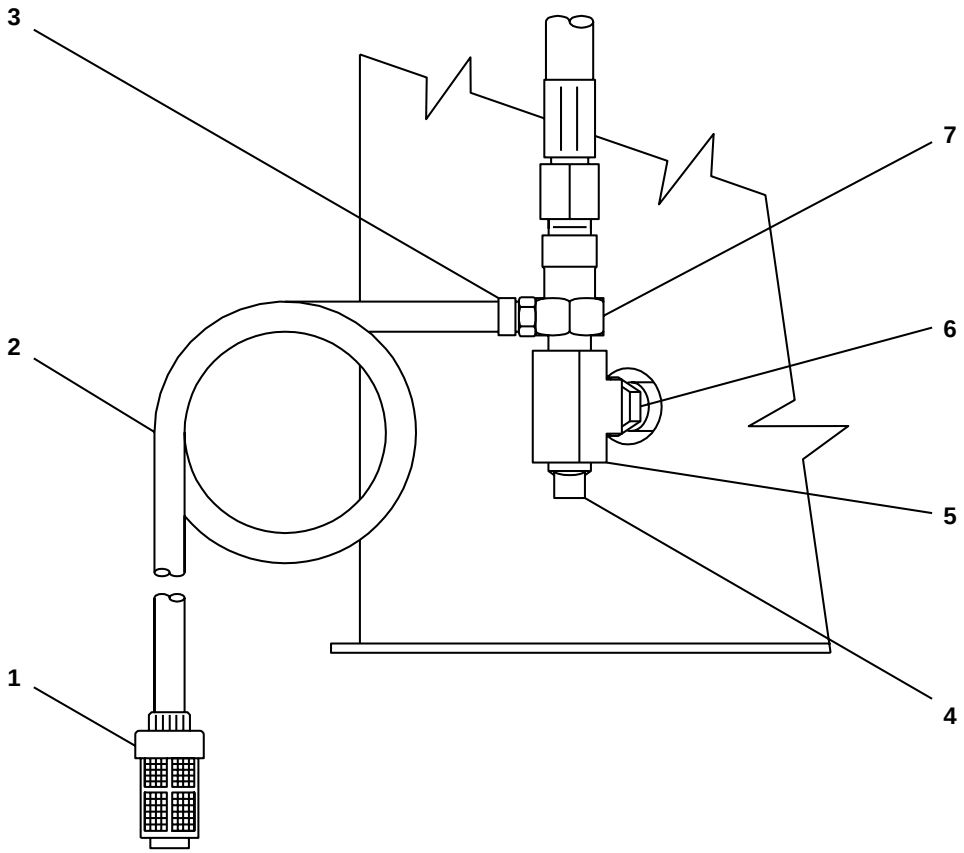

Figure 14 - Coil Inlet Assembly

Ref. No.	Part No.	Description	Qty.
1	935159	Filter Screen	1
2	961534	Tubing 1/4”	✻
3	823989	Hose Clamp	1
4	715744	Coil Drain Plug	1

Ref. No.	Part No.	Description	Qty.
5	754711	Tee 3/8”	1
6	801102	Hex Nipple 3/8” x 1-1/2”	1
7	873594	Detergent Injector	1
✻ Order amount needed in feet.			

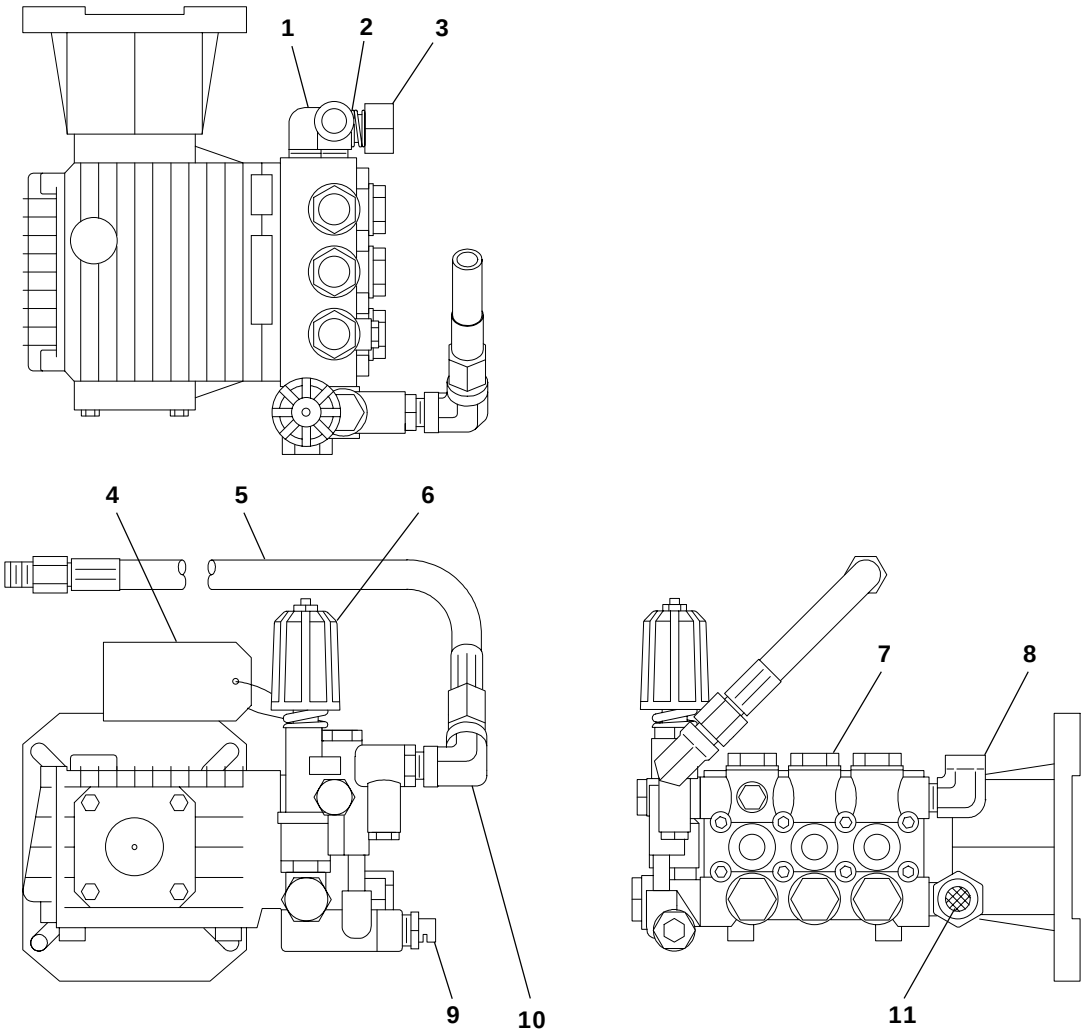

Figure 15 - Pump Assembly

Ref. No.		Part No.	Description	Qty.
1		844758	Street Elbow 1/2”	1
2		875575	Garden Hose Connector Spring	1
3		801139	Garden Hose Connector	1
4		890769	Tag Unloader	1
5		707179	Hose 3/8” x 30”	1
6	✪	921813	Unloader Valve	1
7		830624	Pump **Fig. 16**	1

Ref. No.	Part No.	Description	Qty.
8	644802	Street Elbow 3/8”	1
9	921422	Thermal Relief Valve	1
10	644751	Elbow 3/8”	1
11	856035	Garden Hose Connector Gasket	1

Replacement Parts

✪	753209	Unloader Valve Repair Kit	1

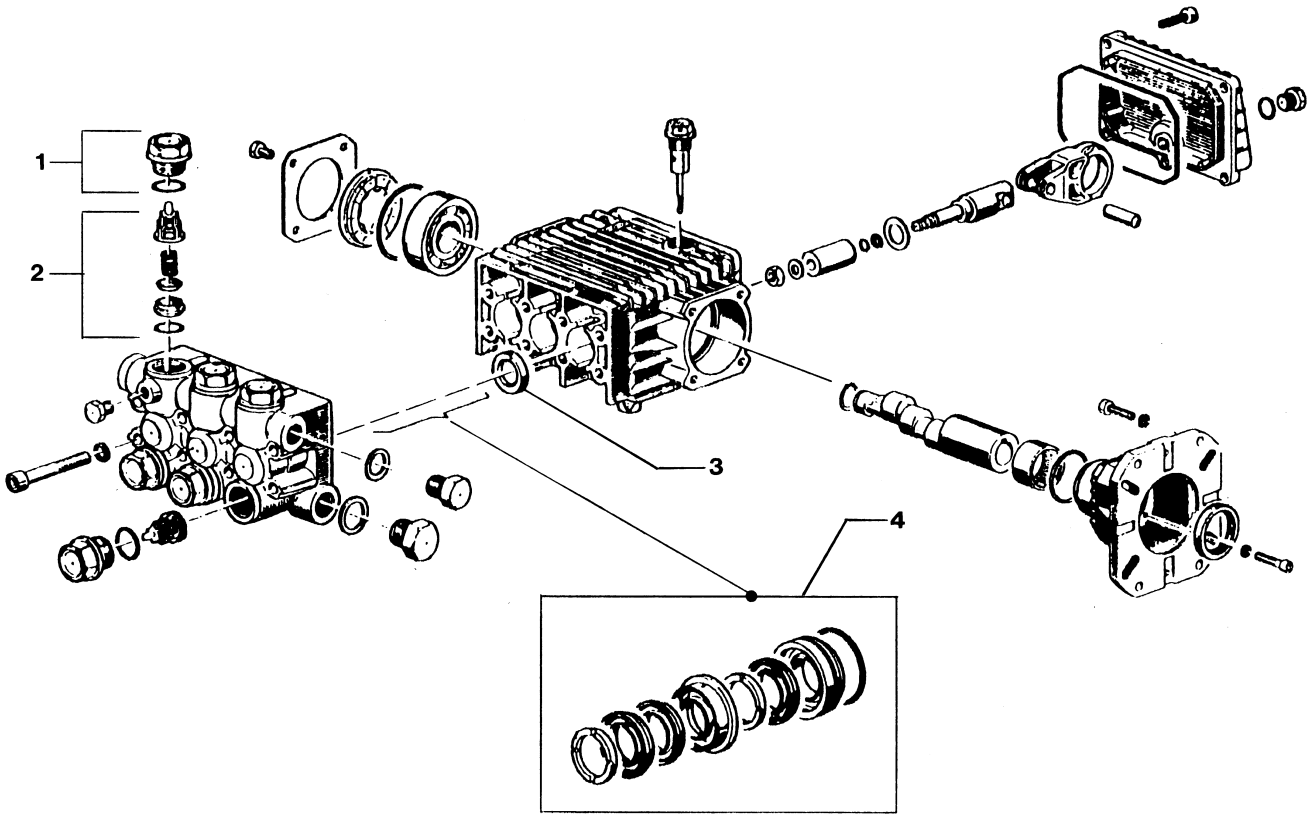

Figure 16 - Pump, Exploded View

Ref. No.	Part No.	Description	Qty.
1	753084	Valve Plug Kit	6
2	753083	Check Valve Kit	3

Ref. No.	Part No.	Description	Qty.
3	753079	Oil Seal Kit	3
4	753085	Plunger Seal Kit	3

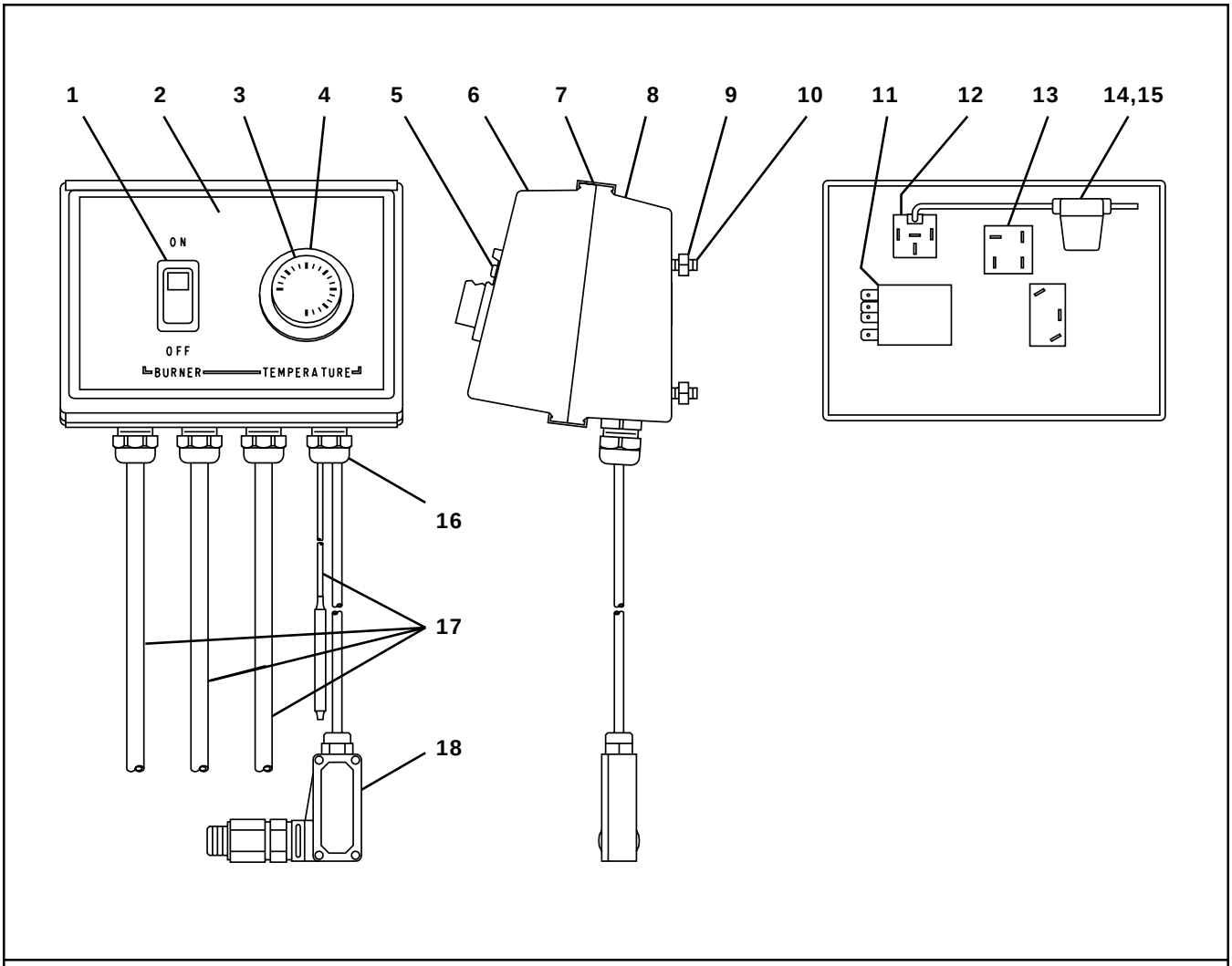

Figure 17 - Control Box Assembly

Ref. No.	Part No.	Description	Qty.
1	875465	Burner Switch	1
2	645932	Decal Control Box	1
3	835150	Thermostat Dial	1
4	915390	Thermostat Mounting Plate	1
5	■	Screw 4 mm x 6 mm	2
6	615413	Control Box Front	1
7	630649	Channel	2
8	615414	Control Box Back	1
9	■	Locknut 1/4" - 20	4
10	■	Bolt 1/4" - 20 x 3/4"	4
11	955940	Thermostat	1
12	860140	Isolation Relay	1

Ref. No.		Part No.	Description	Qty.
13		645990	Bridge Rectifier	1
14		676638	Fuse 30A	1
15		707146	Fuse Holder	1
16		826184	Strain Relief	4
17		847750	Wire Cover	✻
18	✪	875651	Pressure Switch	1

■ Standard hardware item available locally.

✻ Order amount needed in feet

Replacement Parts

✪	753134	O-Ring Kit	1
✪	875653	Switch	1

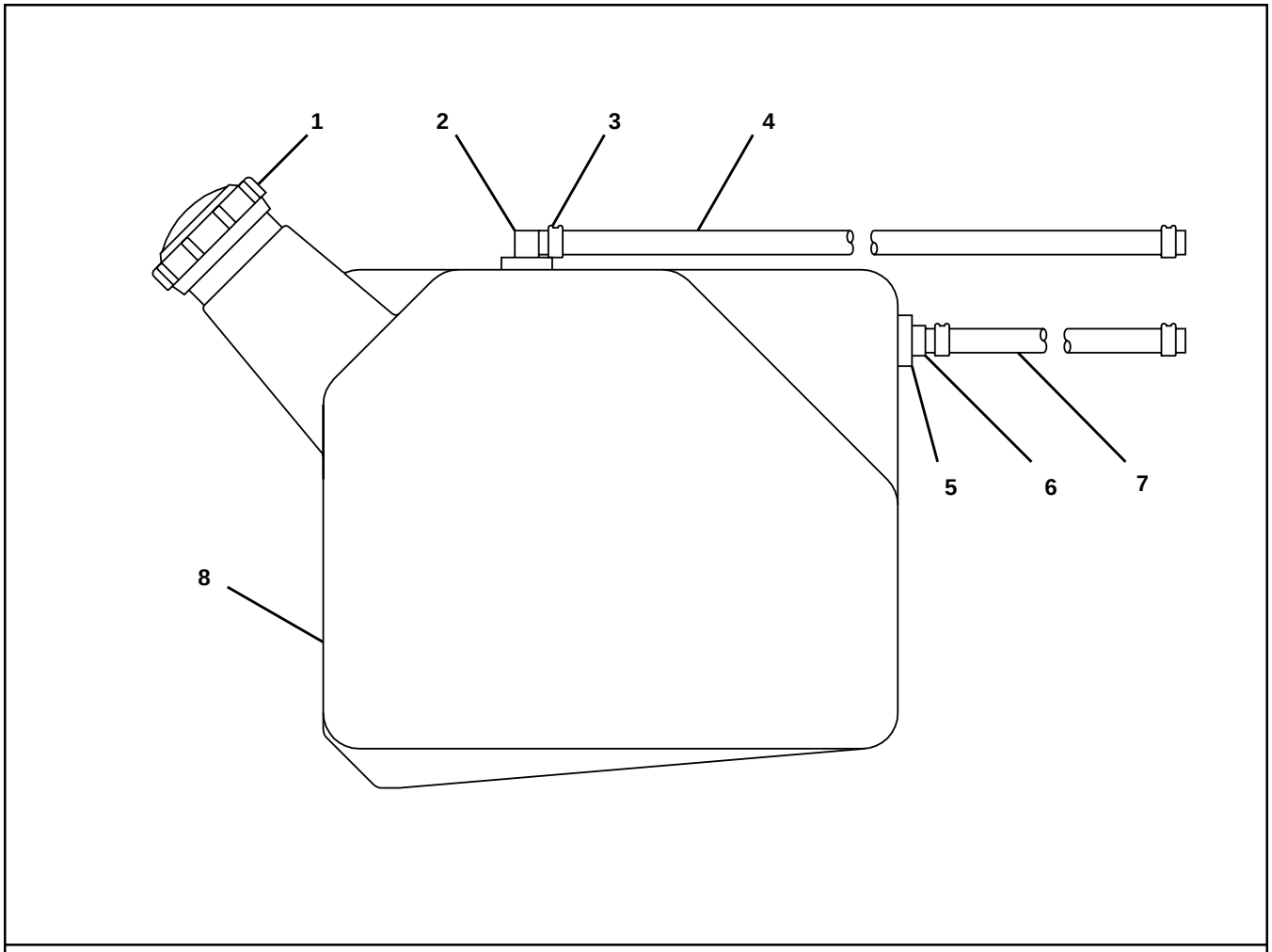

Figure 18 - Fuel Tank Assembly

Ref. No.	Part No.	Description	Qty.
1	817312	Fuel Tank Cap	1
2	661277	Elbow 1/4” Hose x Stand Pipe	1
3	823988	Hose Clamp	4
4	707116	Hose 1/4” Green	✻
5	815230	Bushing	2

Ref. No.	Part No.	Description	Qty.
6	309294	Nipple 3/8” Hose x 1/4” Hose	1
7	867368	Hose 1/4” Black	✻
8	890890	Fuel Tank	1

✻ Order amount needed in feet.

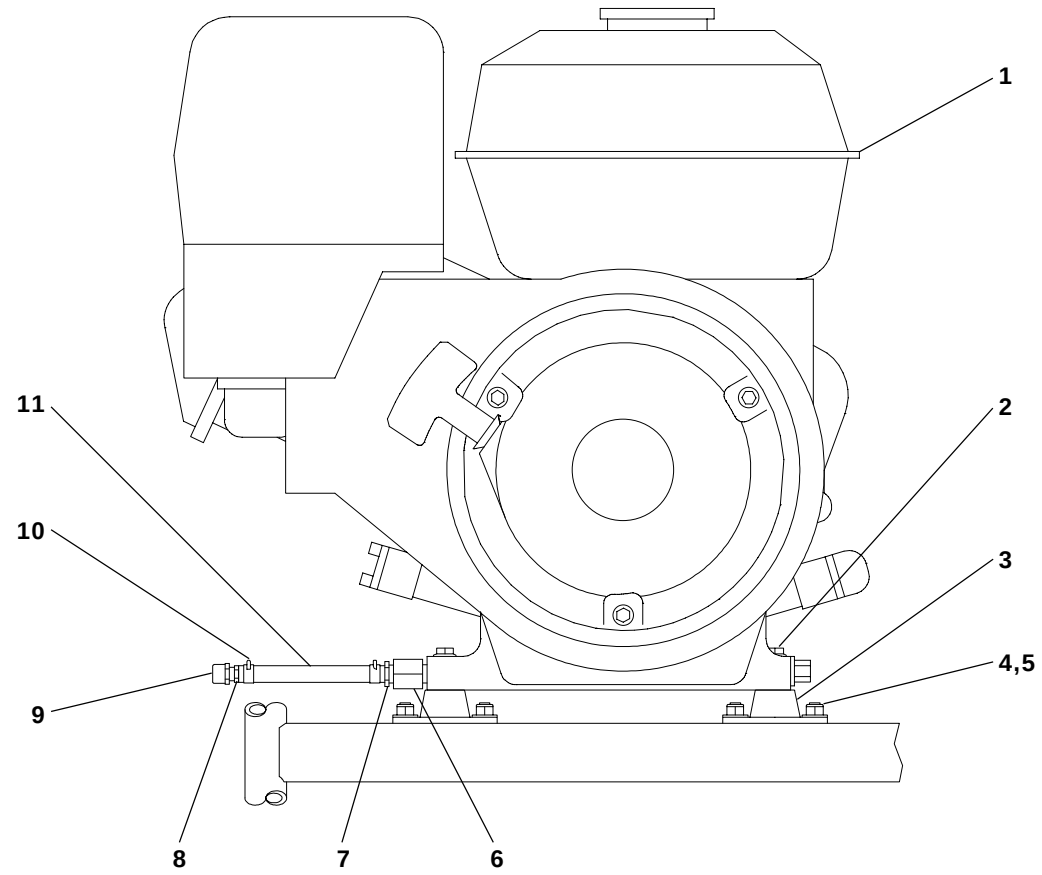

Figure 19 - Engine/Oil Drain Assembly

Ref. No.	Part No.	Description	Qty.
1	661254	Engine 9 HP	1
2	■	Flange Bolt 5/16” - 18 x 1-1/2”	4
3	784446	Vibration Mounts	4
4	■	Flat Washer 5/16”	8
5	■	Locknut 5/16” - 18	8
6	860285	Reducer 1/4” x M12	1
7	698020	Nipple 1/4” x 1/4” Hose	1

Ref. No.	Part No.	Description	Qty
8	698019	Nipple 1/8” x 1/4” Hose	1
9	630980	Pipe Cap 1/8”	1
10	823988	Hose Clamp	2
11	867368	Hose 1/4”	✻

✻ Order amount needed in feet.

■ Standard hardware item available locally.

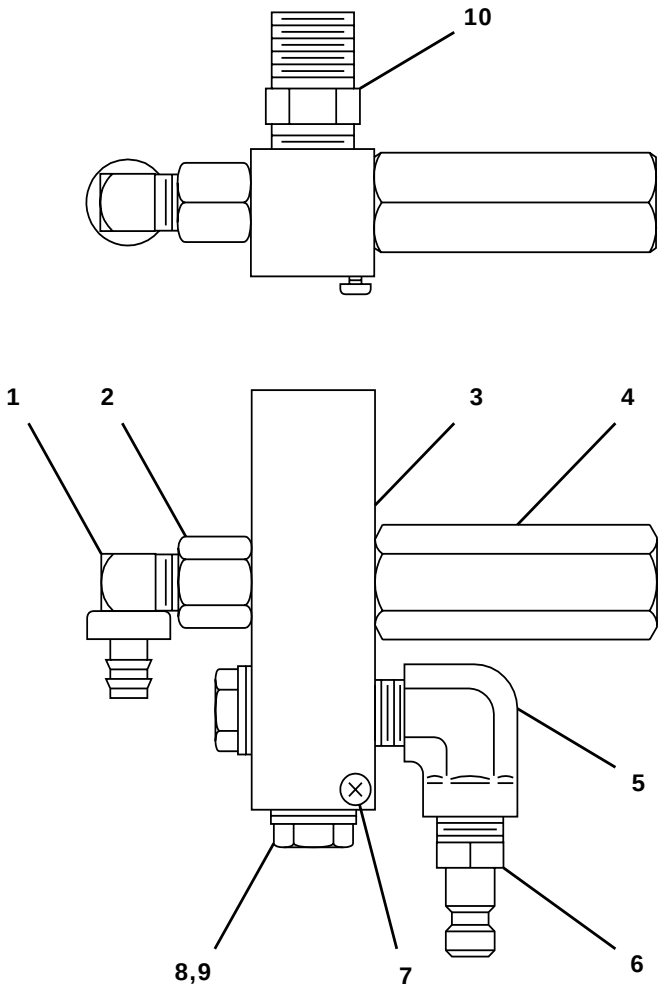

Figure 20 - Coil Outlet Assembly

Ref. No.	Part No.	Description	Qty.
1	799501	Elbow 1/4” x 3/8” Hose	1
2	875555	Relief Valve Seat	1
3	783845	Relief Valve Manifold	1
4	630720	Relief Valve Cartridge	1
5	644802	Street Elbow 3/8”	1
6	844806	Quick Disconnect Plug	1

Ref. No.	Part No.	Description	Qty.
7	■	Screw 4 mm x 6 mm	1
8	780565	Copper Washer	2
9	915630	Plug 3/8”	2
10	698247	Hex Nipple 1/2” x 2”	1

■ Standard hardware item available locally.

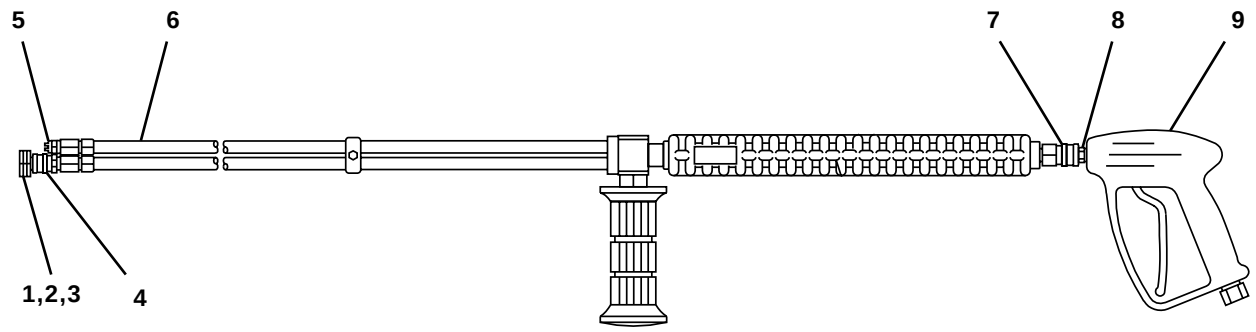

Figure 21 - Trigger Gun/Dual Lance Wand Assembly

Ref. No.		Part No.	Description	Qty.
1		799177	Pressure Nozzle (Red)	1
2		799178	Pressure Nozzle (Yellow)	1
3		799179	Pressure Nozzle (White)	1
4		826170	Quick Disconnect	1
5		900958	Detergent Nozzle	1
6	✪	936686	Dual Lance Wand	1

Ref. No.		Part No.	Description	Qty.
7		826169	Quick Disconnect	1
8		915786	Quick Disconnect Plug	1
9	✹	691867	Trigger Gun	1
Replacement Parts				
	✪	859762	Insulator Grip Assembly	1
	✹	753179	Trigger Gun Repair Kit	1

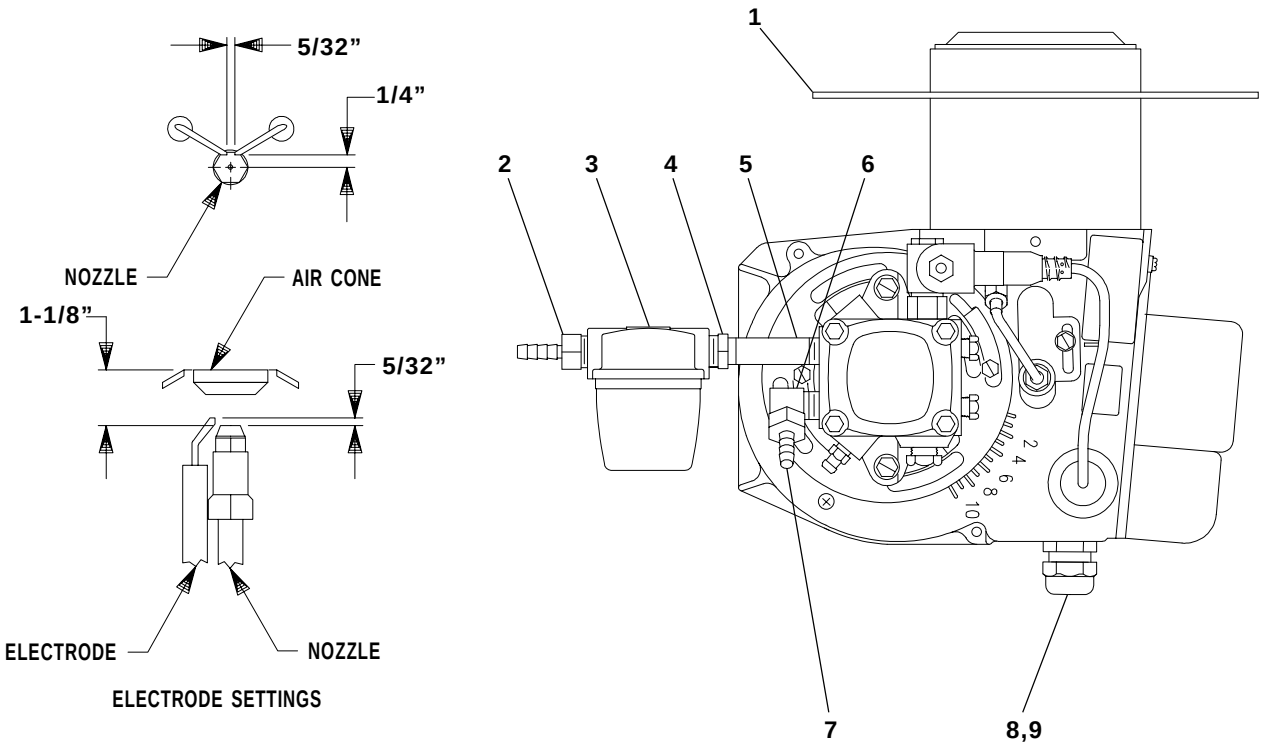

Figure 22 - Burner Assembly

Ref. No.		Part No.	Description	Qty.
1		616027	Burner **Fig. 23**	1
2		698023	Nipple 3/8” x 1/4” Hose	1
3	✪	851080	Fuel Filter	1
4		615279	Reducer Bushing 3/8” x 1/4”	1
5		698200	Pipe Nipple 1/4” x 2-1/2”	1
6		661257	Street Elbow 1/4”	1

Ref. No.		Part No.	Description	Qty.
7		698020	Nipple 1/4” x 1/4” Hose	1
8		826167	Strain Relief	1
9		703127	Strain Relief Nut	1
Replacement Parts				
	✪	875490	Filter Element	1

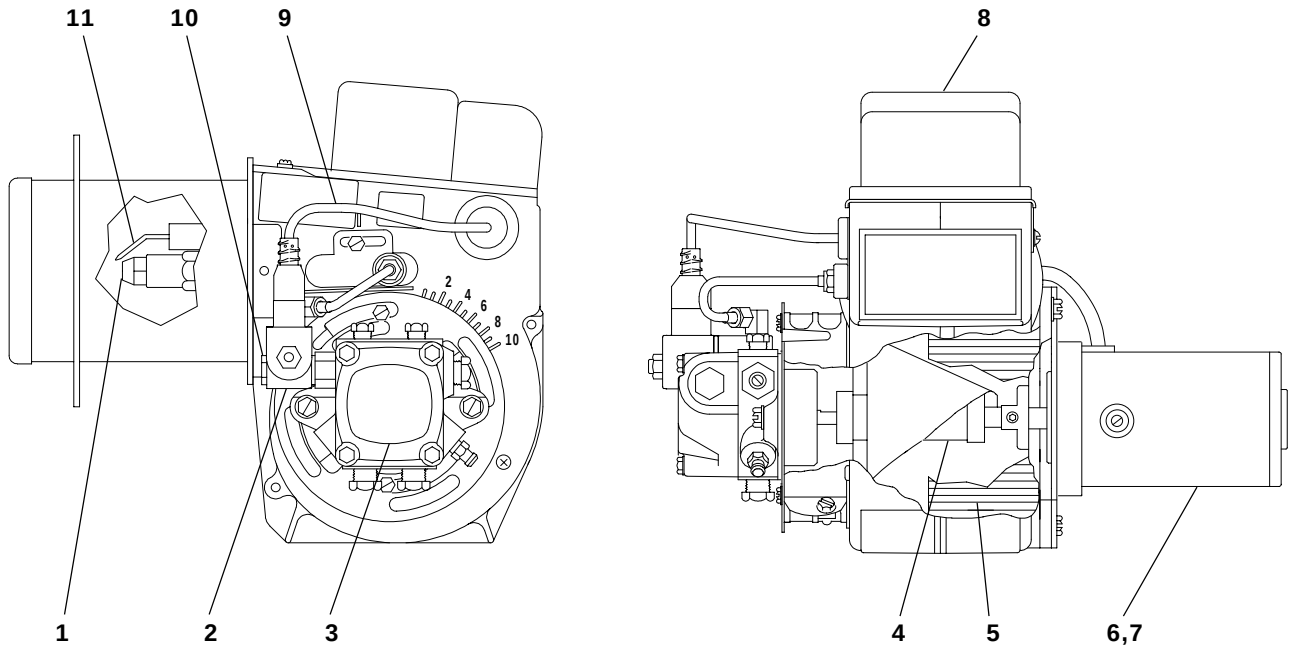

Figure 23 - Burner Parts Breakdown

Ref. No.	Part No.	Description	Qty.
1	900650	Nozzle	1
2	944422	Solenoid Valve	1
3	919791	Fuel Pump	1
4	630730	Coupling	1
5	723355	Blower Fan	1
6	784751	Motor	1

Ref. No.	Part No.	Description	Qty.
7	753046	Brush Kit	2
8	891210	Ignitor	1
9	676894	Fuel Line	1
10	901230	Solenoid Metering Bolt	1
11	661413	Electrode (Pair)	1

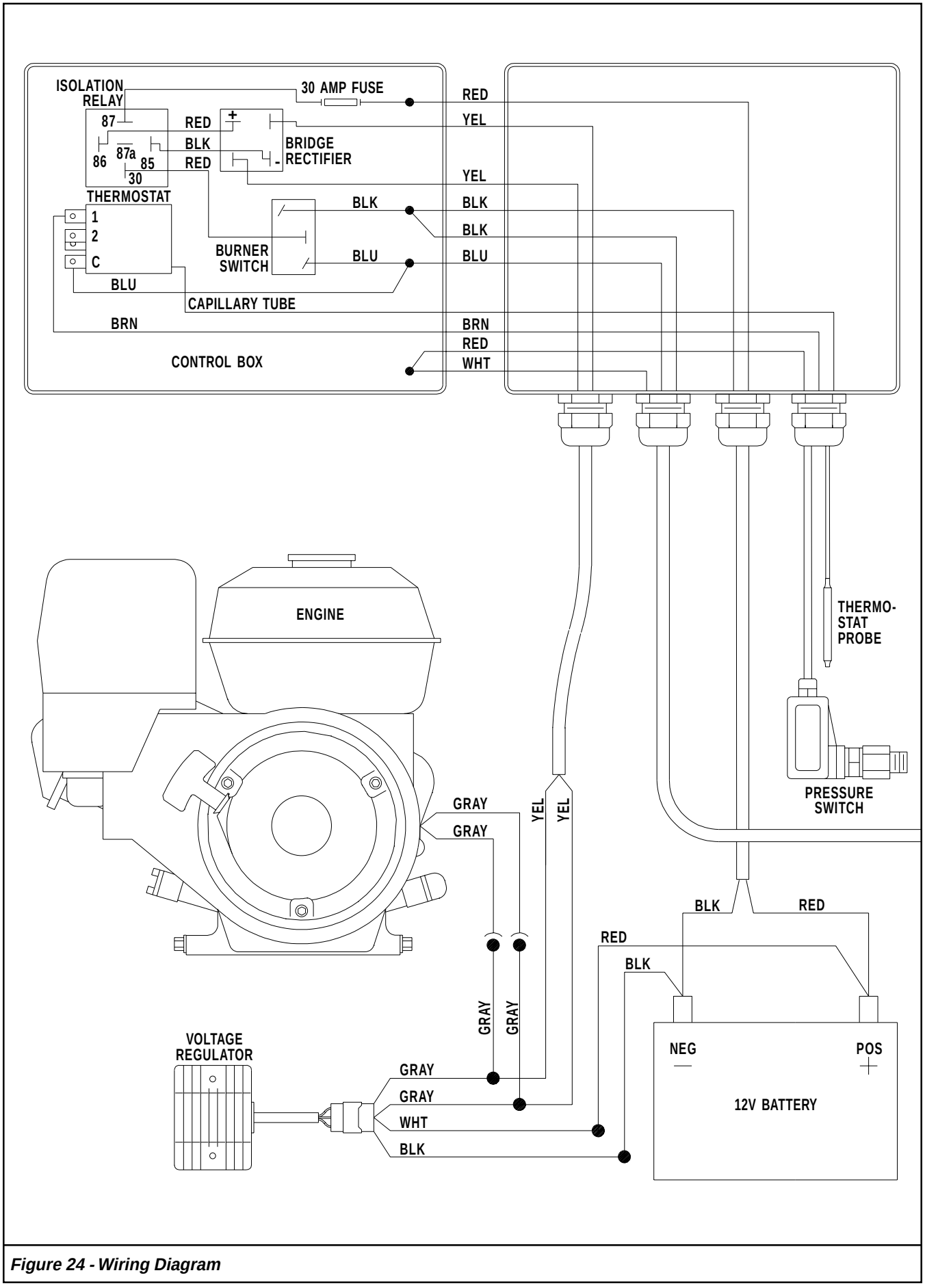

Figure 24 - Wiring Diagram

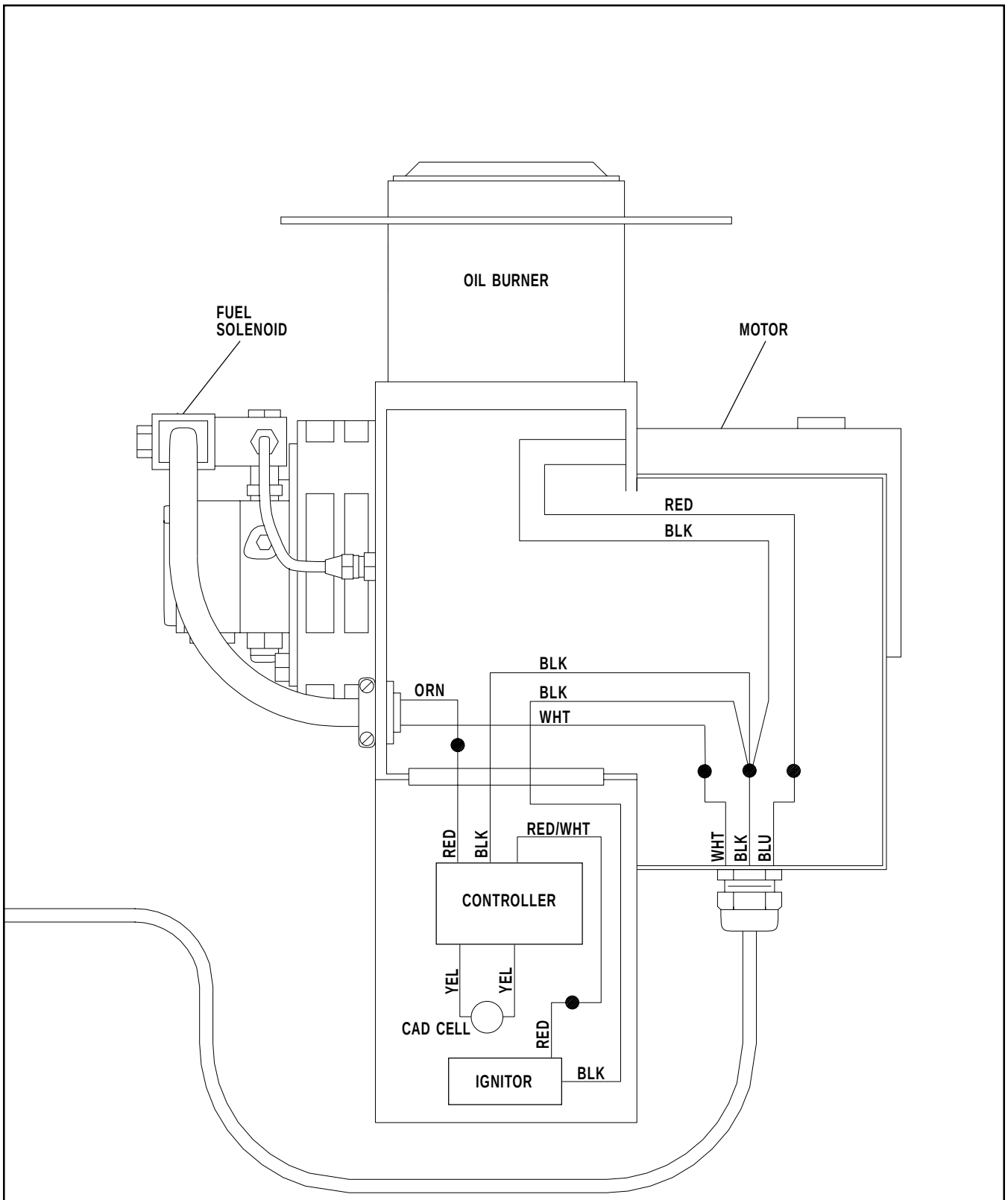

Figure 24 - Wiring Diagram

WARRANTY

SHARK ONE-YEAR LIMITED WARRANTY:

*Shark products are warranted by Shark Pressure Washers (Shark), to be free of defects in material and workmanship under normal use, for a period of **ONE YEAR** from the date of the original purchase. Items that fail due to normal wear such as pump seals, pump valves, unloader valves, detergent valves, water nozzles, quick couplings, hoses, gunjets, o-rings, etc. are not covered under this warranty. Damage resulting from neglect, abuse, tampering, modification or misuse is not covered under this warranty. Shark will at its option repair or replace any part covered by this warranty which is defective under normal use for one year at no charge for parts or labor. All defects must be verified by an authorized Shark Pressure Washers service location.*

EXCEPTIONS TO THE ONE YEAR WARRANTY FOR PARTS ONLY ARE:

Hawk Pumps:	***SEVEN YEAR** Warranty (**LIFETIME** Brass Manifold Warranty-Even Against Freezing)*
Heating Coils:	***FOUR YEAR** Warranty*
Chassis Assembly and Pulleys:	***THREE YEAR** Warranty*
Plumbing and Belts:	***TWO YEAR** Warranty (This additional warranty will be in effect as applicable.)*

LIMITATION OF LIABILITY:

To the extent allowable under applicable law, Shark liability for consequential and incidental damages is expressly disclaimed. Shark liability in all events is limited to, and shall not exceed, the purchase price paid for the equipment. Shark liability excludes field labor charges, loss of use of the unit, loss of time or rental, inconvenience, or commercial loss and is limited to repair or replacement of defective parts only, at the option of Shark Pressure Washers.

WARRANTY DISCLAIMER:

Shark has made a diligent effort to illustrate and describe the product in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the product is merchantable, or fits a particular purpose, or that the product will necessarily conform to the illustrations or descriptions.

PRODUCT SUITABILITY:

Many states and localities have codes and regulations governing sales, construction, installation, and/or use of products for certain purposes, which may vary from those in neighboring areas. While attempts to assure that its products comply with such codes, it cannot guarantee compliance, and cannot be responsible for how the product is installed or used. Before purchase and use of a product, please review the product application, and national and local codes and regulations, and be sure that the product, installation, and use will comply with them.

PROMPT DISPOSITION:

Shark will make a good faith effort for prompt correction or other adjustments with respect to any product which proves to be defective within limited warranty. For any product believed to be defective within limited warranty, contact Shark Pressure Washers at 1-800-771-1881.

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